

## TECHNICAL MEMORANDUM

DATE: April 24, 2024

Project No.: 462-60-24-59  
SENT VIA: EMAIL

TO: Frank Navarro, PE, City of San Bruno

CC: Stephen Tovmassian, PE, City of San Bruno

FROM: Kiersten Miller, PE, RCE #94596  
Laura Toomey, EIT #174871

REVIEWED BY: Amy Kwong, PE, RCE #73213

SUBJECT: Water System Hydraulic Evaluation of the 850 Glenview Drive Development



This technical memorandum (TM) summarizes the findings and conclusions of West Yost's technical evaluation of the City of San Bruno's (City) existing water distribution system and its ability to serve the proposed development at 850 Glenview Drive (Project). The following sections summarize the hydraulic evaluation.

- Project Description
- Estimated Water Demand for the Project
- Planning and Modeling Criteria
- Hydraulic Evaluation Findings and Conclusions

### PROJECT DESCRIPTION

The Project will re-develop a largely unoccupied 3.29-acre site including a vacant church and caretaker's space into nine (9) new 3-story buildings with a total of 58 townhome-style condominium residential units. As shown on Figure 1, the Project site is located in the northeast corner of San Bruno Avenue and Glenview Drive.

The Project is located in the vicinity of existing Pressure Zone 6 (Zone 6) pipelines as shown on Figure 1. In the preliminary utility plan provided to West Yost, included as Attachment A, the Project proposed three connections to the existing 8-inch diameter water main located in Glenview Drive, which is supplied by Tank 3 in Zone 6. However, based on the service elevations shown on the grading plan, this Project cannot be adequately served from Zone 6 to meet the City's minimum water system pressure requirement of 35 pounds per square inch (psi) during normal system operating conditions. It is recommended the Project be served from Pressure Zone 10 (Zone 10).

Figure 2 shows the proposed water system improvements required to serve the Project. Connections to Zone 10 will be made via the currently inactive 12-inch diameter water main located along Glenview Drive and Earl Avenue (refer to green pipe on Figure 2). However, prior to serving the Project, this 12-inch diameter water main would need to be connected to the existing Zone 10 mains located at the intersections of Sneath Lane and Earl Avenue and San Bruno Avenue and Glenview Drive (refer to red pipes on Figure 2)<sup>1</sup>. Connecting this inactive 12-inch diameter main to Zone 10 will then allow the City to abandon the existing 10-inch diameter water main located east of Skyline Boulevard (refer to blue dashed pipe on Figure 2), which is currently a maintenance issue for City staff.

The on-site pipelines within the Project domestic and irrigation service are planned to be 8-inches in diameter (refer to orange pipes on Figure 2) with four on-site fire hydrant installations proposed (based on updated utility plan revised on March 28, 2024 and included as Attachment B). All on-site pipelines will be installed in public easements and will be owned by the City.

The following sections review the projected water demands, hydraulic evaluation criteria, and hydraulic evaluation findings and conclusions.

## ESTIMATED WATER DEMAND FOR THE PROJECT

Water demands for the Project were estimated using water use factors developed in the 2021 WSMP, and the projected number of dwelling units for the Project. Table 1 presents the estimated Project water demand.

Land Use Type	Dwelling Units, du <sup>(a)</sup>	Water Use Factor <sup>(b)</sup>	Water Use Factor Units	Average Day Demand Potable Water Use, gpd
Multi-Family Residential	58	120	gpd/du	6,960

(a) Land use data from 2nd submittal drawings prepared by City Ventures dated December 6, 2023 (see Attachment A).  
 (b) From the 2021 WSMP. Factor includes an assumed 8.0 percent non-revenue water (NRW).  
 gpd = gallons per day

Peaking factors from the 2021 WSMP were used to scale the estimated average day demand to maximum day and peak hour demands. There are no existing metered water demands at the site so the net water demand increase is equal to the total Project demand. Table 2 summarizes the projected average day, maximum day, and peak hour demands for the Project.

<sup>1</sup> Approximately 165 feet of new 12-inch diameter pipeline will be required to connect the inactive 12-inch diameter water main to Zone 10.

Land Use Type	Average Day Demand <sup>(a)</sup>		Maximum Day Demand <sup>(b)</sup>		Peak Hour Demand <sup>(c)</sup>	
	gpm	gpd	gpm	gpd	gpm	gpd
Multi-Family Residential	4.8	6,960	8.5	12,180	16.9	24,360

(a) Average Day Demand for the Project is from Table 1.  
 (b) Equal to 1.75 times the average day demand.  
 (c) Equal to 3.5 times the average day demand.  
 gpm = gallons per minute, gpd = gallons per day

## PLANNING AND MODELING CRITERIA

Evaluation of the Project is based on the following system performance and operational criteria developed in the 2021 WSMP:

- Minimum allowable service pressure is 35 psi under normal system operating conditions.
- Maximum allowable service pressure is 80 psi under normal system operating conditions. Services that experience pressures exceeding 80 psi must have an individual pressure reducing valve (PRV) installed on the service lateral.
- Residual pressure at the flowing hydrant (during maximum day demand plus fire flow conditions) and at service locations throughout Zone 10 must be equal to or greater than 20 psi.
- Maximum allowable pipeline velocity is 4 feet per second (ft/s) during a non-fire demand condition.
- Maximum allowable pipeline velocity in new pipelines is 10 ft/s during a simulated fire demand condition.
- New pipelines are modeled with a roughness coefficient (C-factor) of 140.

In addition, the following Project specific criterion was used in this evaluation:

- Based on the 2021 WSMP, available fire flow must meet a minimum requirement of 1,500 gallons per minute (gpm) for Multi-Family Residential – more than 2 stories. This requirement assumes that the proposed buildings are sprinklered.

## HYDRAULIC EVALUATION FINDINGS AND CONCLUSIONS

The hydraulic model of the City’s existing water distribution system from the 2021 WSMP is the basis for this hydraulic evaluation. After updating the hydraulic model with the projected water demands shown in Table 2, West Yost used the hydraulic model to simulate both existing peak hour demand and existing maximum day demand plus fire flow conditions to determine the impacts of the Project to the City’s water system. Results from these evaluations are discussed below.

### Peak Hour Demand Evaluation

Figure 3 shows that system pressures during a peak hour demand condition are above the minimum required pressure of 35 psi but greater than the maximum allowable pressure of 80 psi. The model-simulated pressure ranges from 124 to 137 psi during a peak hour demand condition.

The hydraulic grade line at the Project site is estimated to be 765 feet. This indicates that the pressure at the top stories range from approximately 109 to 119 psi<sup>2</sup> without accounting for head losses within the building. To mitigate these high service pressures, this Project would need to install an individual PRV at each domestic service connection (58 total; one for each unit).

As shown on Figure 3, velocities in all pipelines near the Project are below 4 ft/s during a peak hour demand condition.

## Maximum Day Demand plus Fire Flow Evaluation

The minimum fire flow requirement for the Project is 1,500 gpm. As shown on Figure 4, results from the hydraulic model indicate that the existing and proposed pipelines serving the Project are adequate to meet this requirement during a maximum day plus fire flow demand condition while maintaining a residual pressure of 20 psi and a maximum pipeline velocity of 10 ft/s on proposed pipelines.

There are four Zone 6 hydrants near the Project which were also evaluated for available fire flow and included on Figure 4. Available fire flow at only two of the four nearby Zone 6 hydrants meet the Project's fire flow requirement during a maximum day plus fire flow demand condition. The three existing hydrants in Glenview Drive should be re-connected to the 12-inch diameter water main served by Zone 10 to increase fire flow availability.

## Summary of Hydraulic Evaluation

Based on the results from the hydraulic evaluation discussed above, the following water system improvements in addition to the proposed on-site pipelines are required to serve the Project:

- Pipeline Improvements
  - Connect the currently inactive 12-inch diameter water main to Zone 10 water mains located at San Bruno Avenue and Sneath Lane. This requires approximately 165 feet of new 12-inch diameter pipeline.
  - Abandon the existing 10-inch diameter water main located east of Skyline Boulevard once the inactive 12-inch diameter main is connected to Zone 10.
- Pressure Improvements
  - Install a PRV at each domestic service connection (58 total – one PRV per residential unit).
- Hydrant Improvements
  - Re-connect three existing Zone 6 hydrants in Glenview Drive, near the Project site, to the 12-inch diameter Zone 10 pipeline to increase fire flow availability.

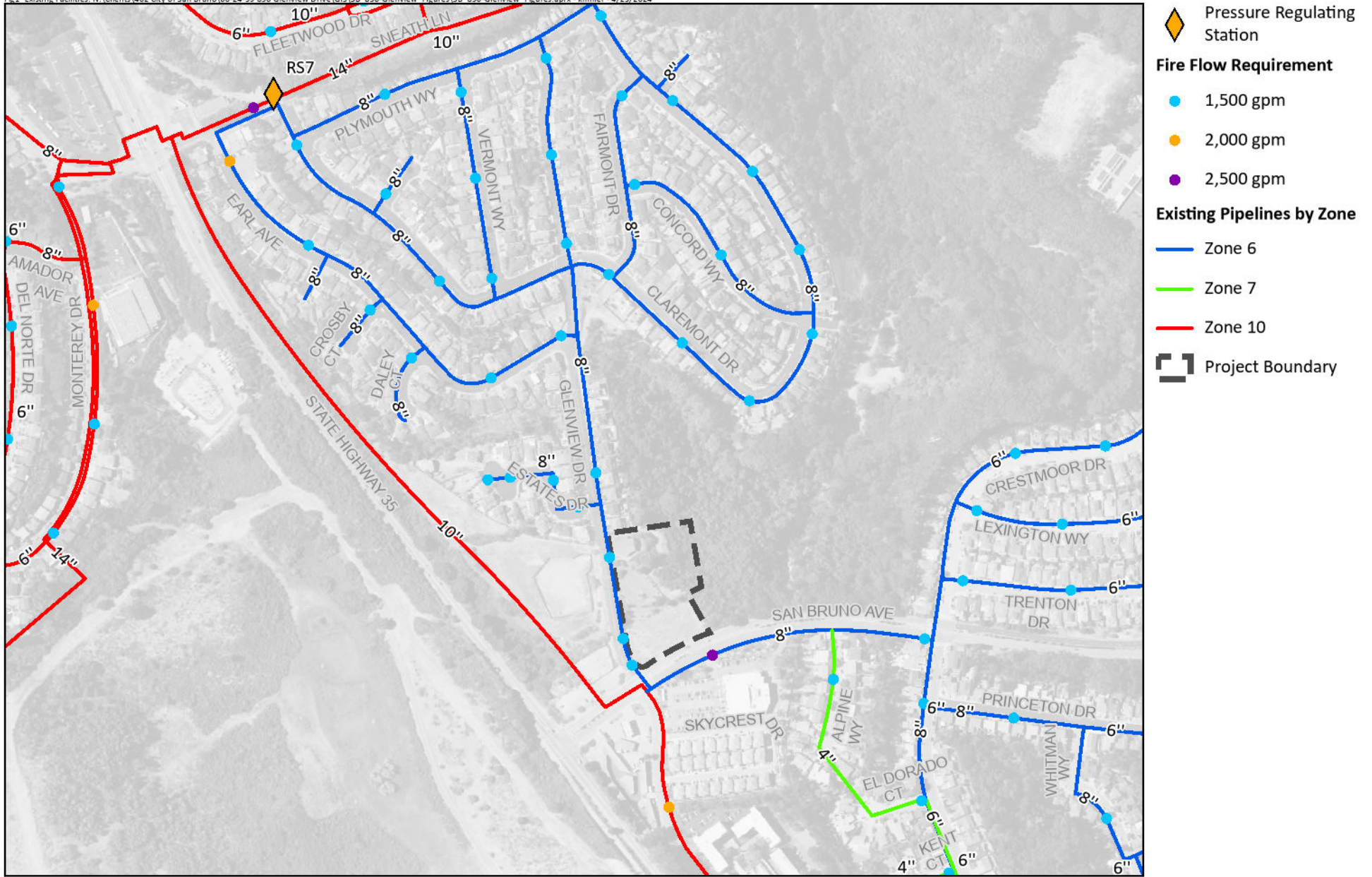
West Yost calculated the Project's pumping and storage requirements to determine whether any additional pumping or storage capacity would be required. The Project would be served by Zone 10, which is supplied by Pump Station 1 (Sneath Lane) and Pump Station 8 (Glenview Drive). This Project was included and evaluated in the 2021 WSMP; however, the new utility plan shows an increase in dwelling units. West Yost confirmed that the net increase in water demands from the Project equates to a minor increase in the

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<sup>2</sup> Minimum top story pressure is observed at Building C assuming a maximum building height at the top story of approximately 40 feet and ground elevation of 474 feet. Maximum top story pressure is observed at Building G, assuming a maximum building height at the top story of approximately 40 feet and ground elevation of 450 feet.

operational and emergency storage requirements for Zone 10, and no capacity deficiencies were identified. Therefore, the Project does not trigger the need for additional pumping and storage capacity.

It is important to note that these fire flow results are based on the available pipeline capacity and may not be representative of the actual flow the individual hydrants can produce. Additionally, the hydraulic evaluation performed for the Project is based on the criteria listed above. If any of these items are changed or modified in any way, other than described in this TM, additional hydraulic evaluation will be required.



Prepared by:



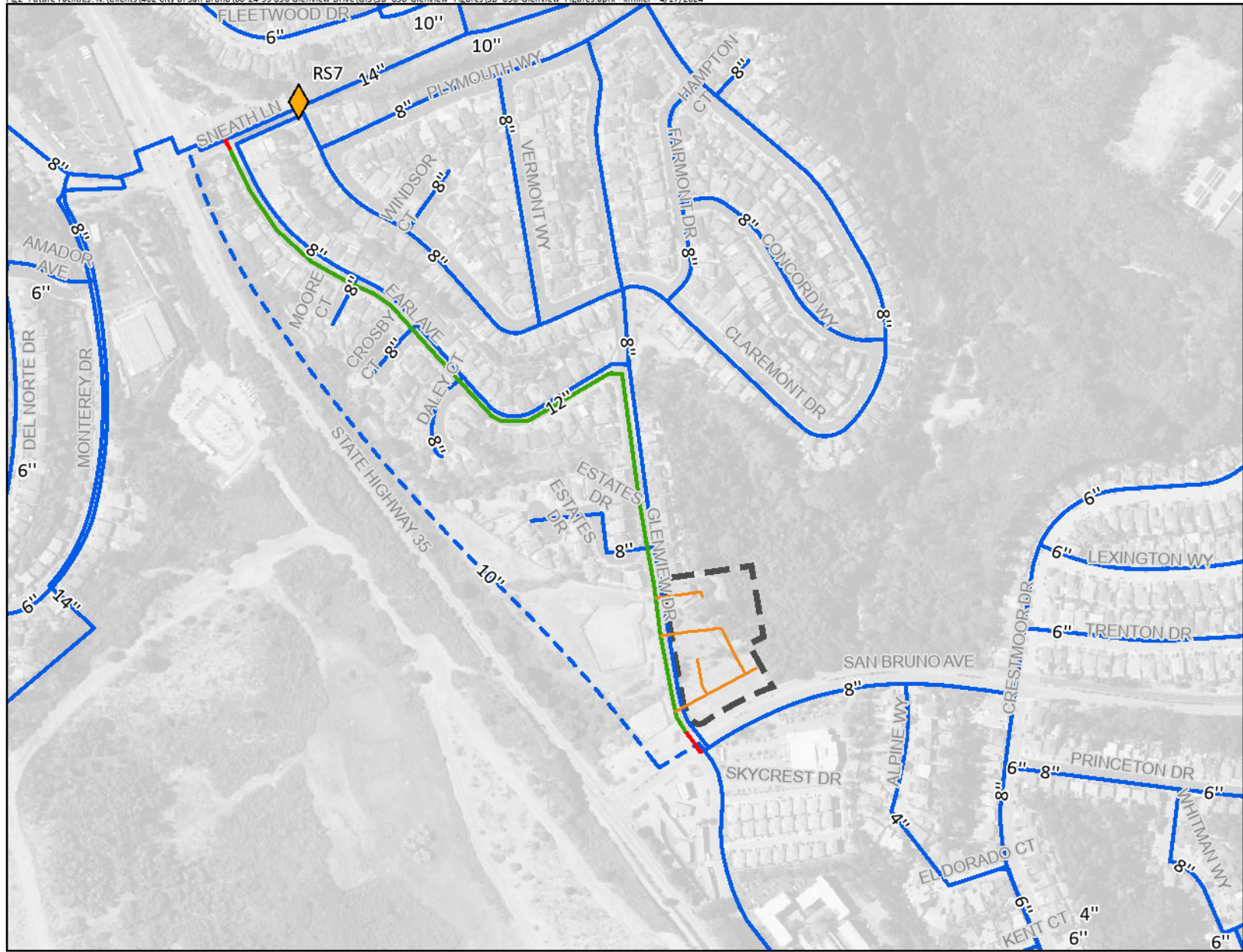
Prepared for:








**City of San Bruno**  
 850 Glenview Drive  
 Water System Evaluation



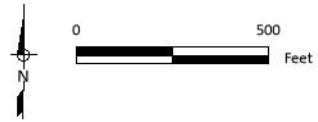
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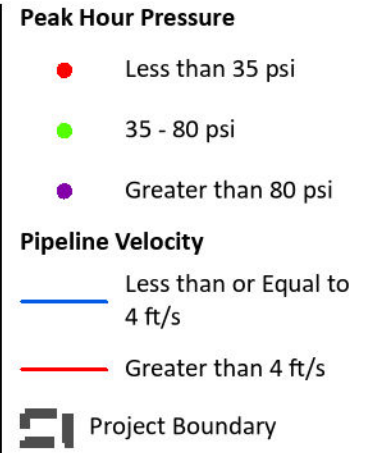
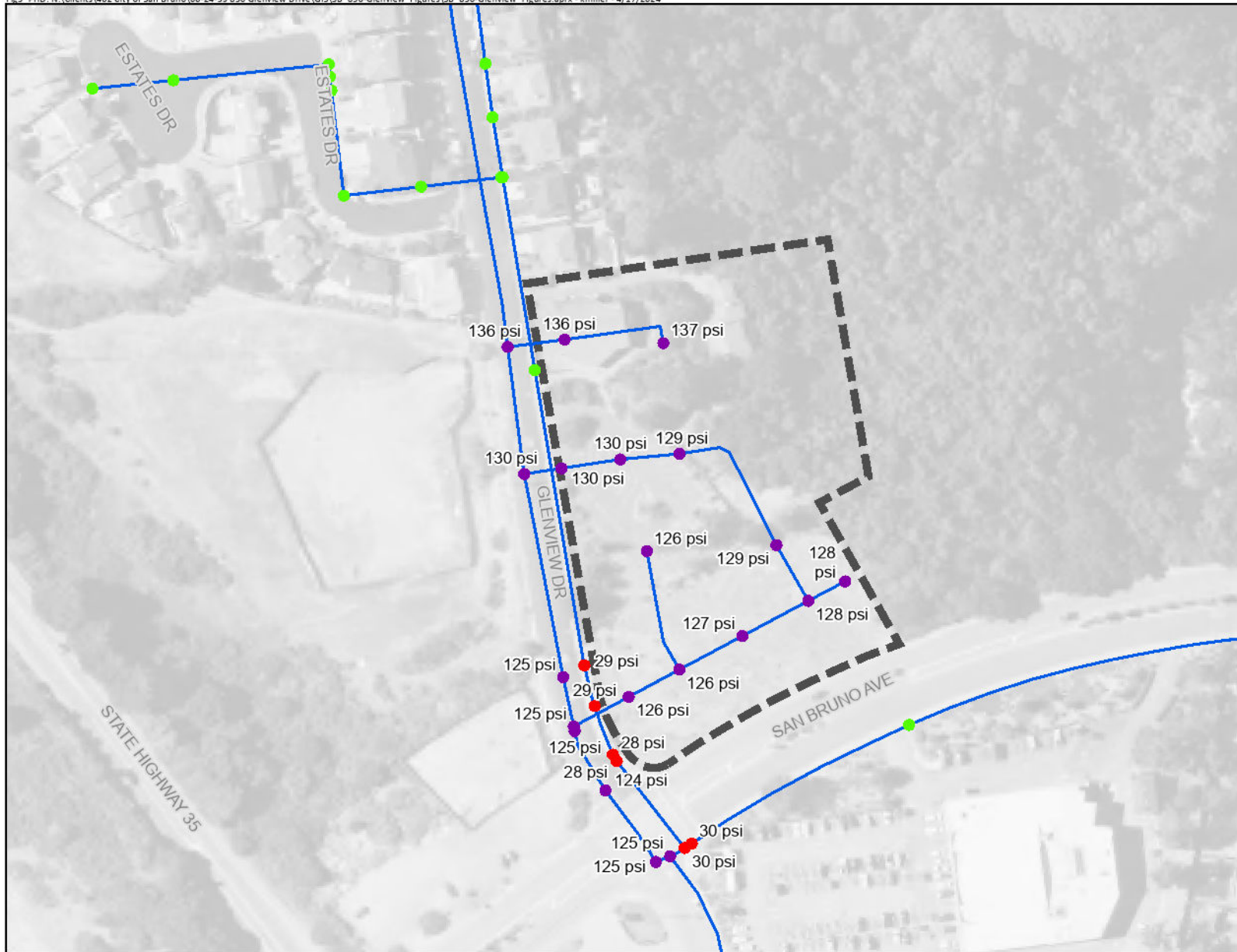
**Figure 1**



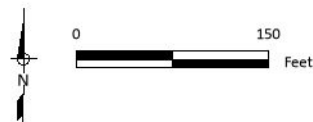
-  Pressure Regulating Station
- Pipeline**
-  New 8-inch Pipe
-  New 12-inch Pipe
-  Existing 12-inch Pipe (Inactive, see Note)
-  Existing Pipe to be Abandoned
-  Existing Pipe
-  Project Boundary

Notes:  
 1. The currently inactive 12-inch pipeline would be re-activated and connected to existing Zone 10 pipelines.





Prepared by:



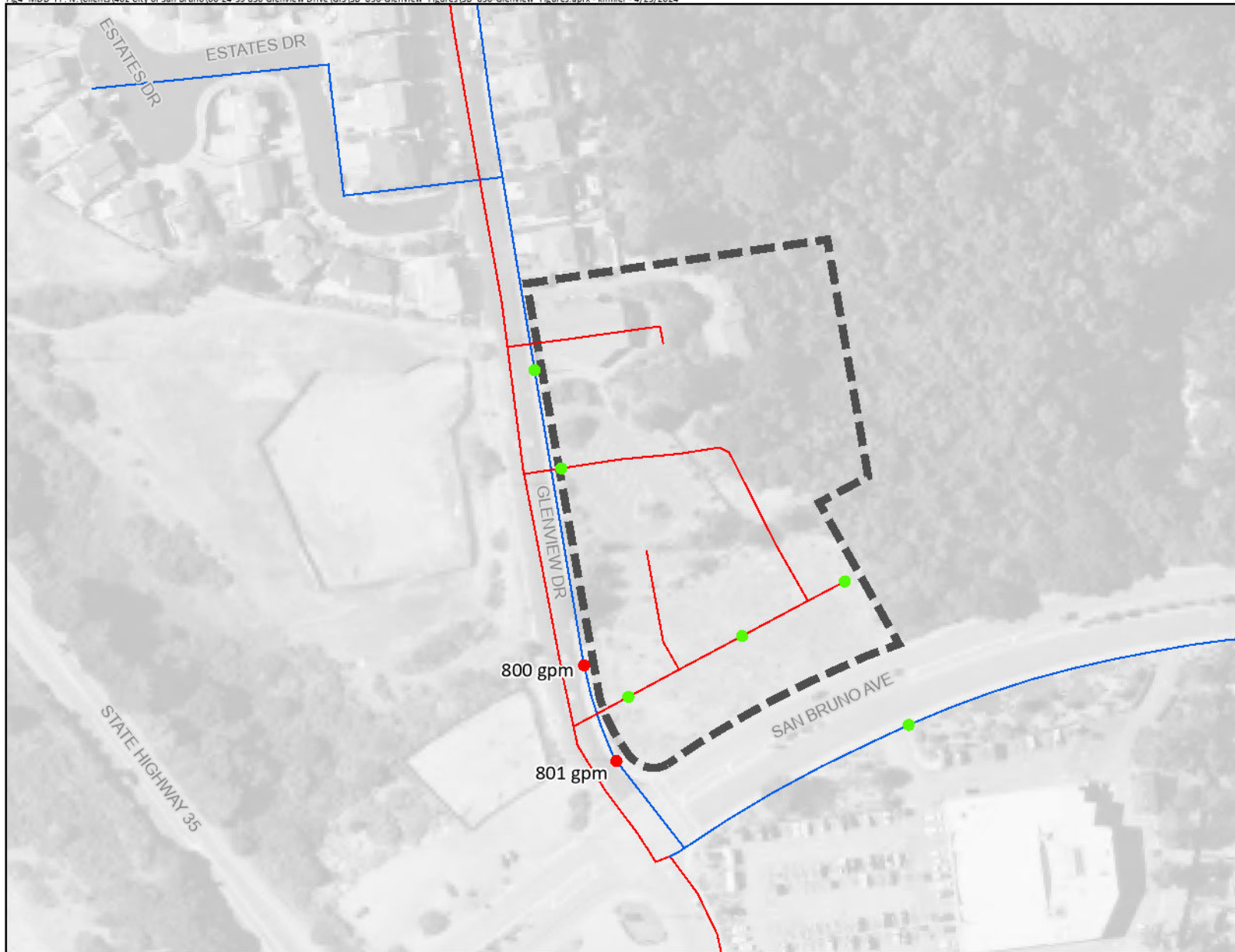
Prepared for:

City of San Bruno  
850 Glenview Drive  
Water System Evaluation



Peak Hour Results

Figure 3



**Minimum Fire Flow Availability**

- Does Not Meet Requirement
- Meets Requirement

**Existing Pipelines by Zone**

— Zone 6

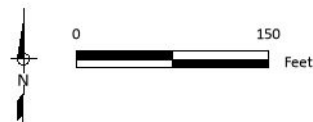
— Zone 10

Project Boundary

**Notes:**

1. The available fire flow shown at each junction is the maximum fire flow available while maintaining 20 psi residual system pressure and limiting maximum pipeline velocities in proposed pipelines to 10 ft/s.

Prepared by:



Prepared for:

**City of San Bruno**  
850 Glenview Drive  
Water System Evaluation



**Maximum Day  
Plus Fire Flow Results**

**Figure 4**

Attachment A

## Preliminary Utility Plan



City Ventures

# GLENVIEW HIGHLANDS

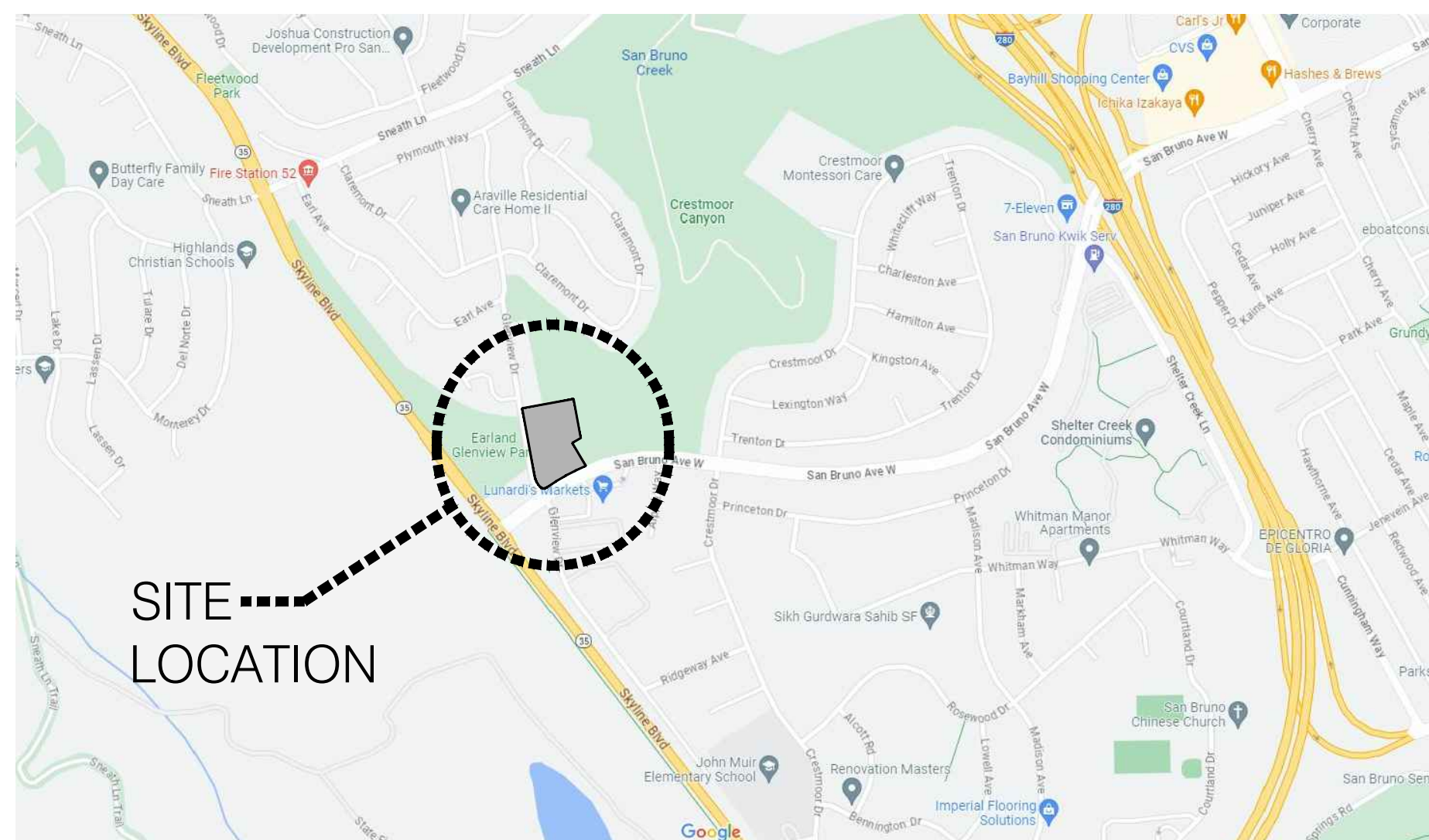
850 GLENVIEW DRIVE

SAN BRUNO, CALIFORNIA 94066

1ST SUBMITTAL DATE: 09.29.2023

2ND SUBMITTAL DATE: 12.06.2023

## LOCATION MAP



## APPLICANT:

CITY VENTURES

444 SPEAR STREET, SUITE 200

SAN FRANCISCO, CA 94105

CONTACT: SAMANTHA HAUSER

*Executive Vice President*

PHONE: 646.522.4260

E-MAIL: [samantha@cityventures.com](mailto:samantha@cityventures.com)

[www.cityventures.com](http://www.cityventures.com)

## LANDSCAPE ARCHITECT:

C2 COLLABORATIVE

100 AVENIDA MIRAMAR

SAN CLEMENTE, CA 92672

CONTACT: CHRISTOPHER FORTUNATO

*Principal*

PHONE: 949.366.6624 x703

E-MAIL: [cfortunato@c2collaborative.com](mailto:cfortunato@c2collaborative.com)

[www.c2collaborative.com](http://www.c2collaborative.com)

## ARCHITECT:

HUNT HALE JONES ARCHITECTS

444 SPEAR STREET, SUITE 105

SAN FRANCISCO, CA 94105

CONTACT: DAN HALE

*Architect*

PHONE: 415.568.3833

E-MAIL: [dhale@hhja.com](mailto:dhale@hhja.com)

[www.hunthalejones.com](http://www.hunthalejones.com)

## UTILITY CONSULTANTS:

TARRAR

813 FIRST ST.

BRENTWOOD, CA 94513

CONTACT: ALFONSO REYES

*Senior Project Manager*

PHONE: 949.240.2595

E-MAIL: [areyes@tarrar.com](mailto:areyes@tarrar.com)

[www.tarrar.com](http://www.tarrar.com)

## CIVIL ENGINEER:

CSW|ST2

5870 STONERIDGE MALL ROAD, SUITE 203

PLEASANTON, CA 94588

CONTACT: MICHAEL VIDRA

*Project Manager*

PHONE: 925.7874982

E-MAIL: [mvidra@cswst2.com](mailto:mvidra@cswst2.com)

[www.cswst2.com](http://www.cswst2.com)

## GEOTECHNICAL ENGINEER:

QUANTUM GEOTECHNICAL

1110 BURBETT AVE., SUITE B

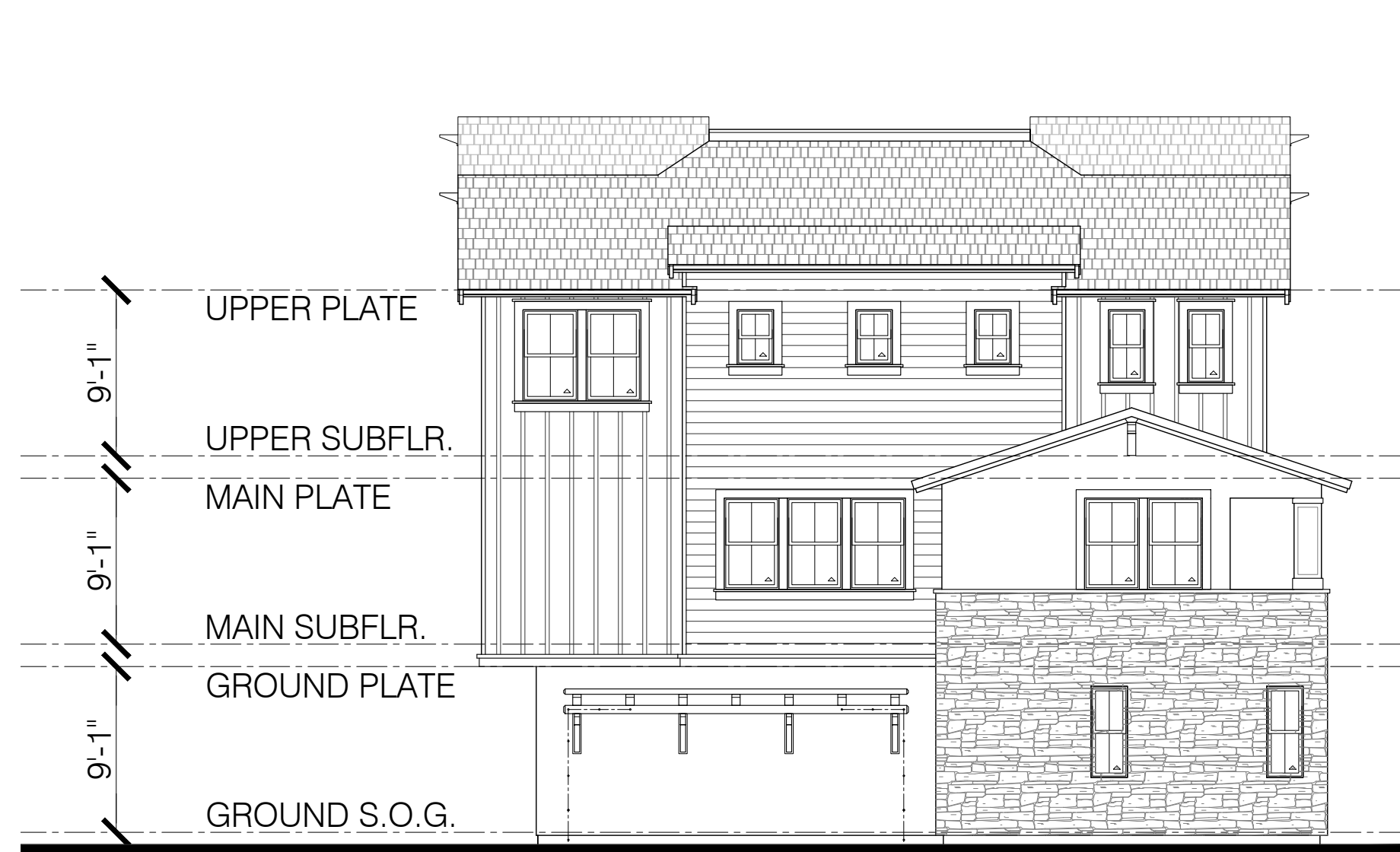
CONCORD, CA 94520

CONTACT: SIMON MAKDESSI

*President*

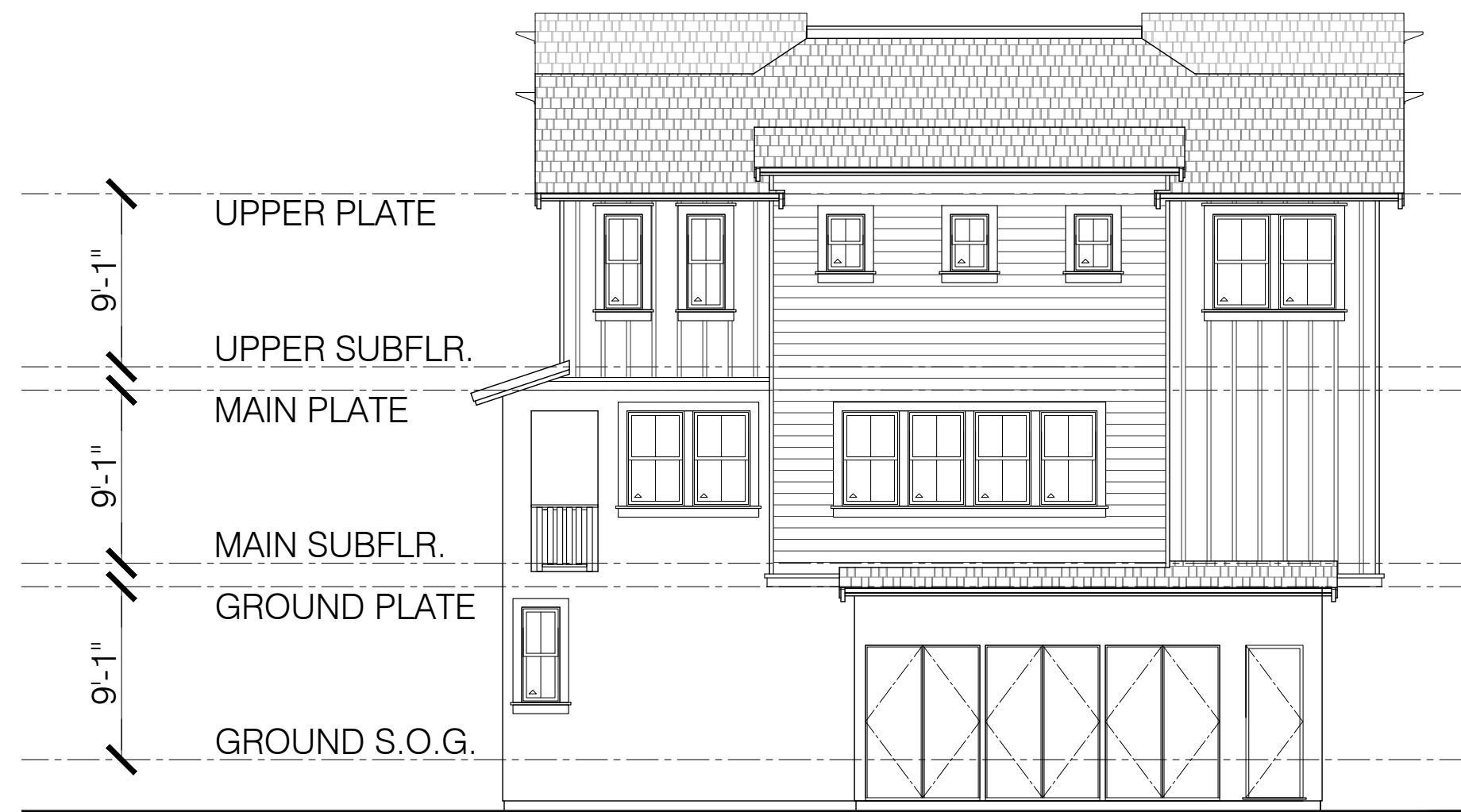
PHONE: 925.788.2751

E-MAIL: [simonm@quantumgeotechnical.com](mailto:simonm@quantumgeotechnical.com)



## LEFT ELEVATION

BLDG. A



## RIGHT ELEVATION

BLDG. A



## FRONT ELEVATION

BLDG. A

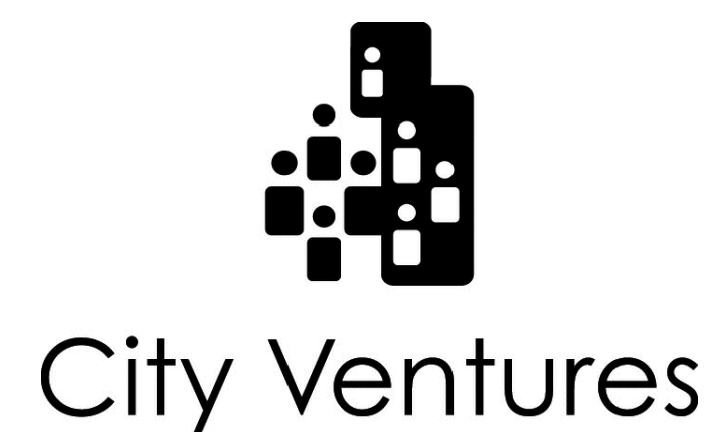


## REAR ELEVATION

BLDG. A

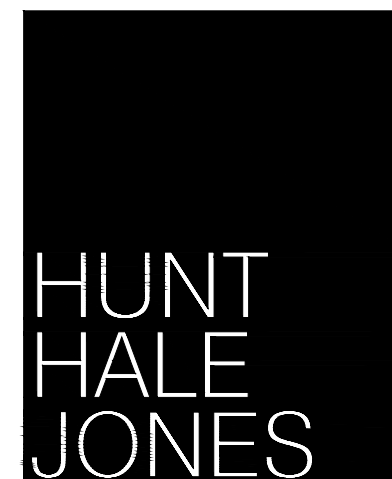
### MATERIAL SPECIFICATIONS

- COMPOSITION SHINGLE ROOFING
- 5" OGEE GSM GUTTER
- PARAPET WALL w/ GSM COPING CAP
- SECTIONAL ROLL-UP GARAGE DOOR
- FIBERGLASS FRONT DOOR
- DUAL GLAZED VINYL WINDOW
- METAL METER CABINET DOORS
- ADHERED STONE VENEER, OR SIMILAR
- STUCCO
- LAP SIDING
- BOARD & BATTEN SIDING
- WOOD TRIM, CORBELS & KICKERS
- WOOD RAILING
- WOOD TRELLIS
- ADDRESS SIGN
- WALL-MOUNTED LIGHT FIXTURE



## GLENVIEW HIGHLANDS

850 GLENVIEW DRIVE  
SAN BRUNO, CA 94066



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444 Spear Street, Suite 105  
San Francisco, CA 94105  
www.hunthalejones.com

t. 415-512-1300  
f. 415-288-0288

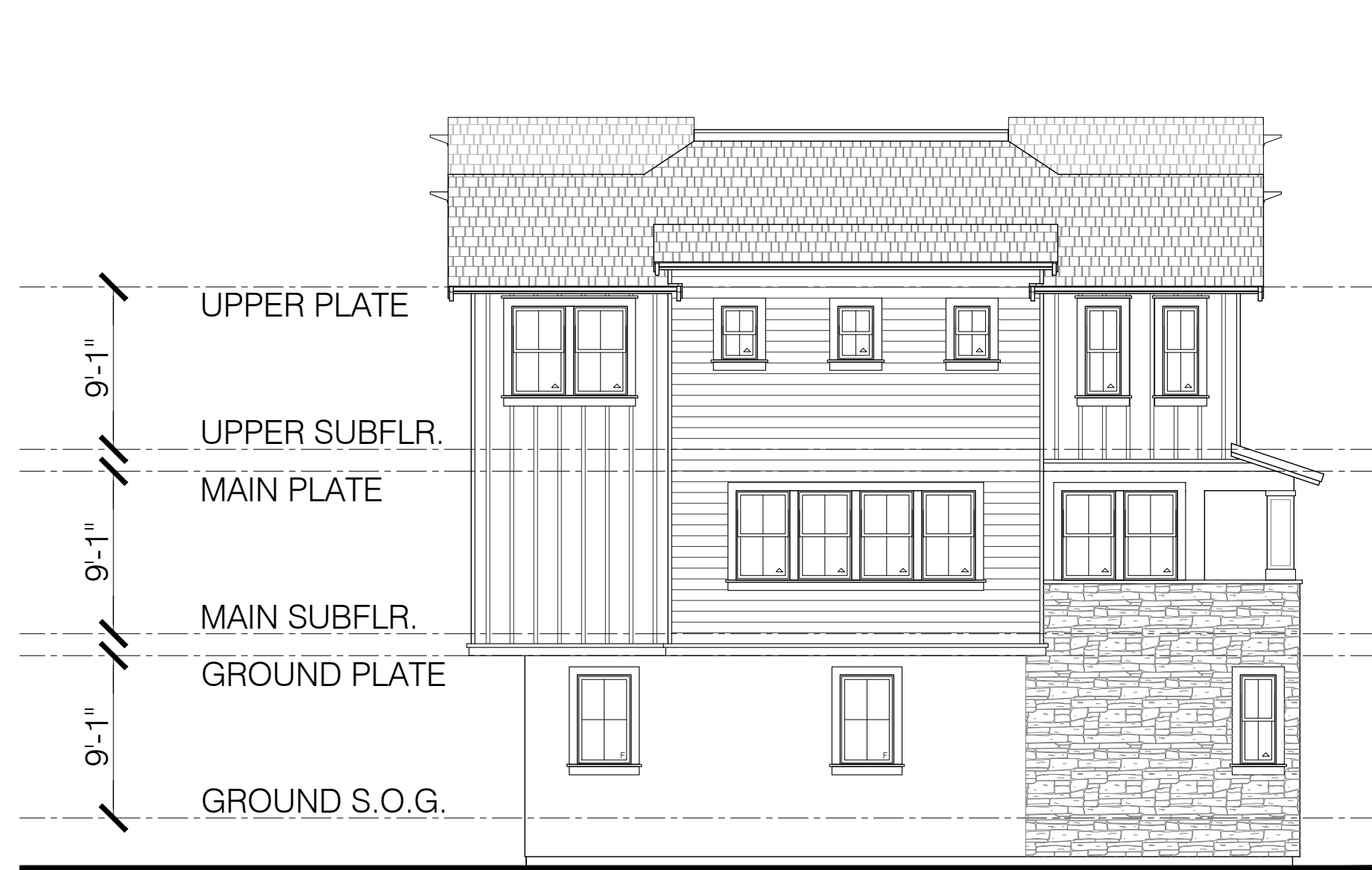
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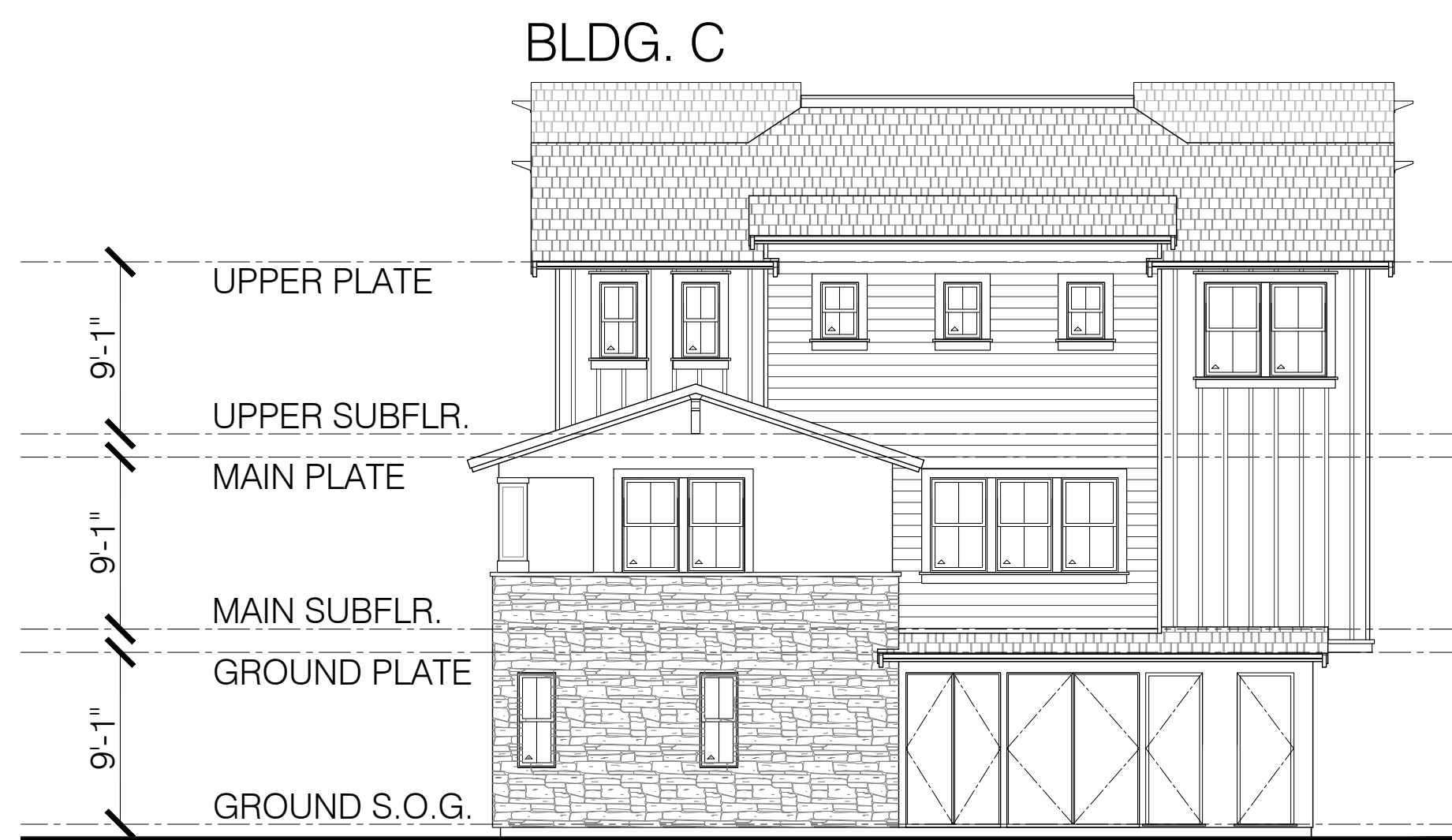
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LEFT ELEVATION



FRONT ELEVATION



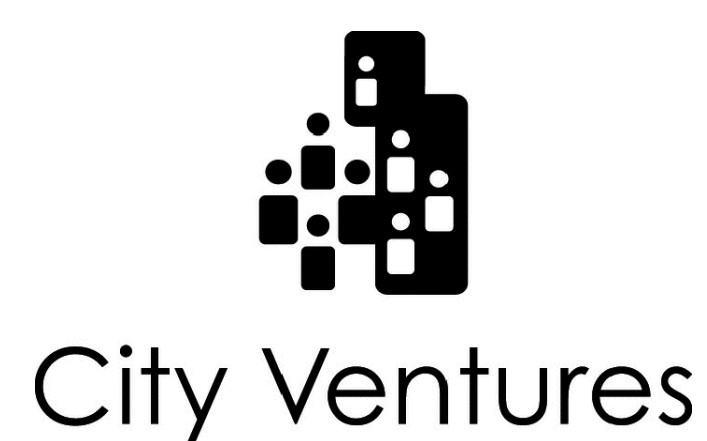
RIGHT ELEVATION



REAR ELEVATION

MATERIAL SPECIFICATIONS

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- WOOD TRELLIS
- ADDRESS SIGN
- WALL-MOUNTED LIGHT FIXTURE

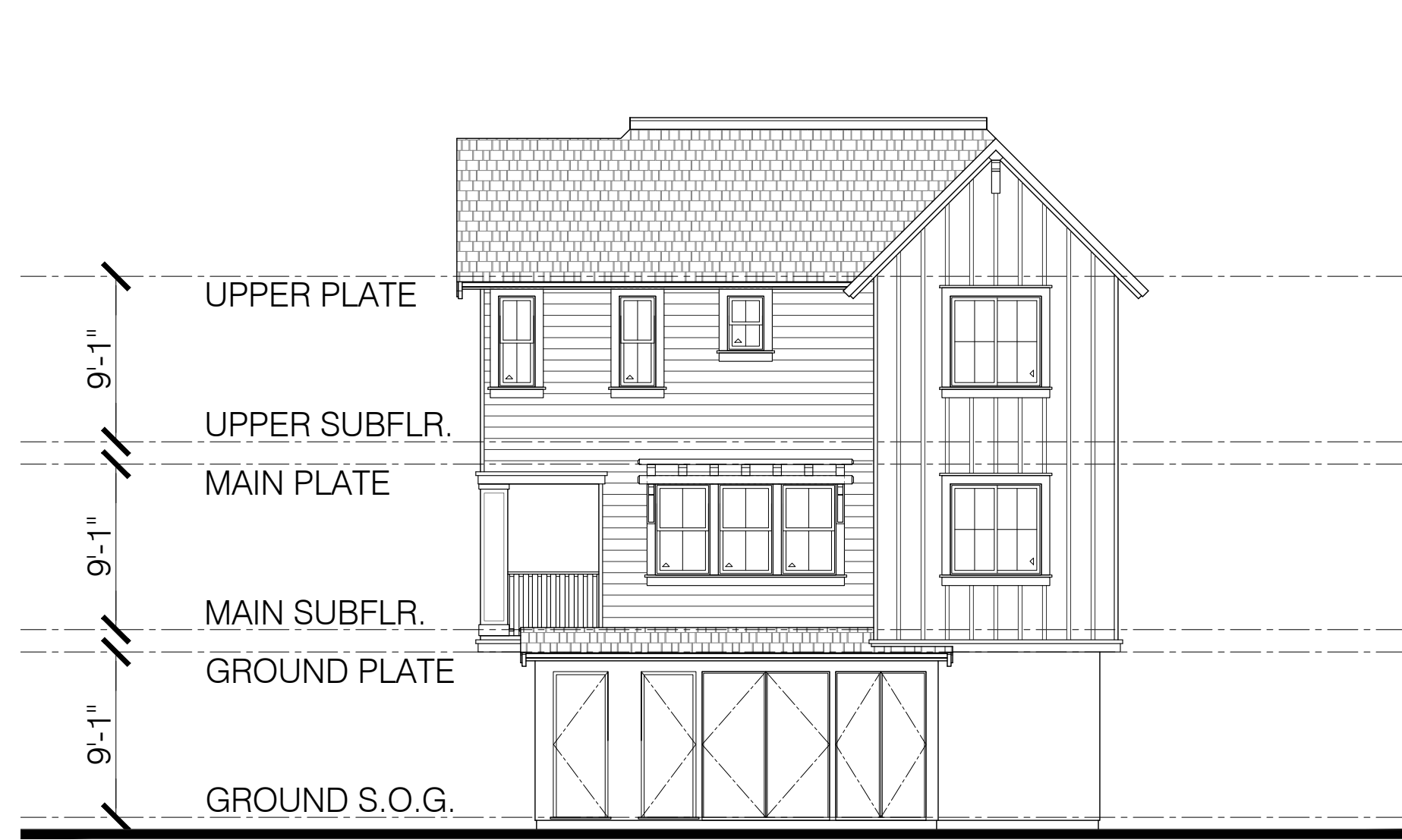


GLENVIEW HIGHLANDS  
850 GLENVIEW DRIVE  
SAN BRUNO, CA 94066



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444 Spear Street, Suite 105  
San Francisco, CA 94105  
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t. 415-512-1300  
f. 415-288-0288

BLDG. C CONCEPTUAL EXTERIOR ELEVATIONS  
(BLDG. D SIMILAR)  
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DATE: 12.06.2023  
PROJECT: 317075.00



## LEFT ELEVATION

BLDG. H



## RIGHT ELEVATION

BLDG. H



## FRONT ELEVATION

BLDG. H



## REAR ELEVATION

BLDG. H

### MATERIAL SPECIFICATIONS

- COMPOSITION SHINGLE ROOFING
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## GLENVIEW HIGHLANDS

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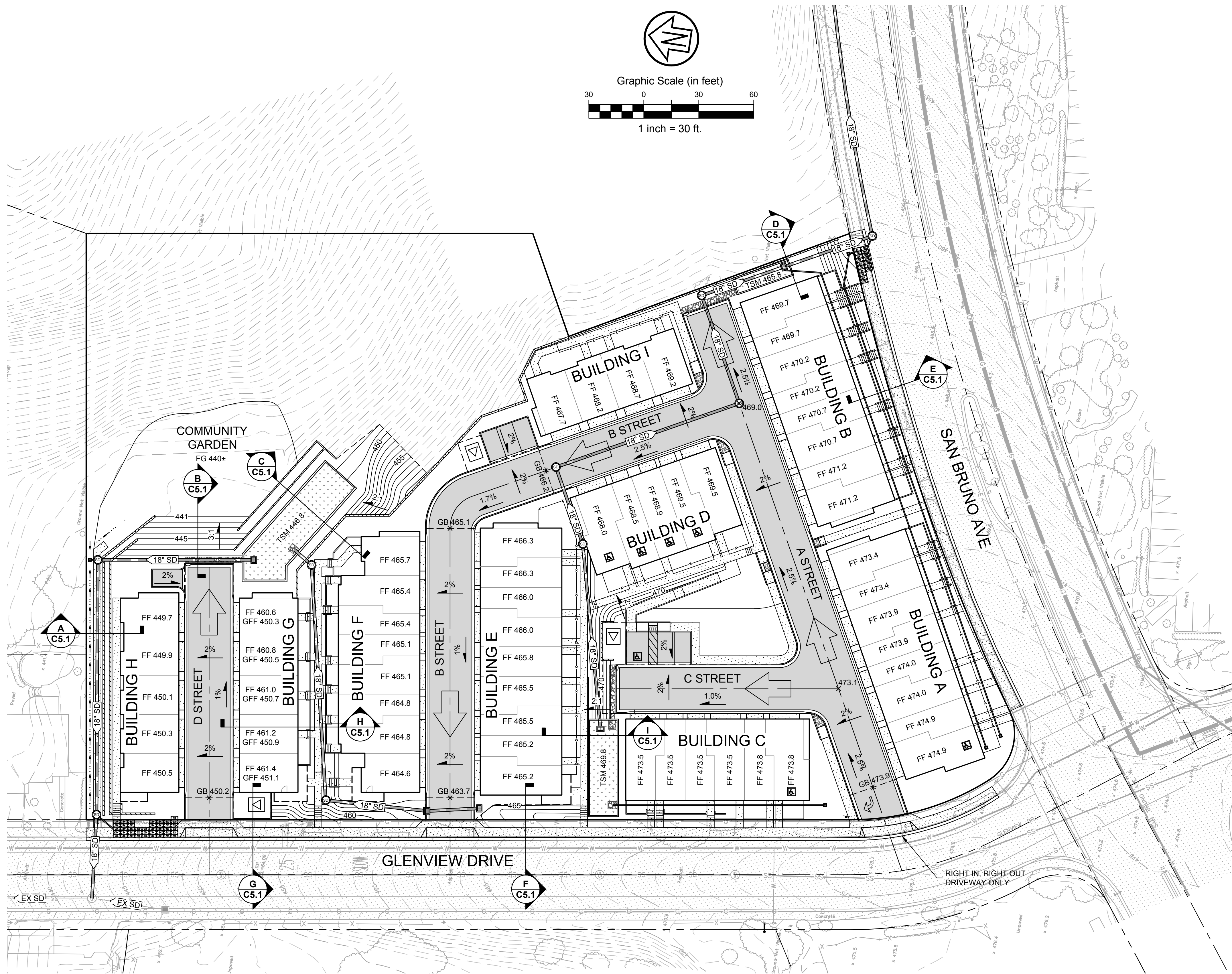
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(BLDG. G & I SIMILAR)

# A1.2.3

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DATE: 12.06.2023

PROJECT: 317075.00



**LEGEND:**

- PROJECT BOUNDARY
- GRADEBREAK
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EARTHEN SWALE FLOW DIRECTION
- PROPOSED STORM DRAIN
- STORM DRAIN MANHOLE
- STORM DRAIN CURB INLET
- STORM DRAIN FIELD INLET
- TENTATIVE SLOPE ARROW
- TENTATIVE SPOT GRADE
- UNDERGROUND STORMWATER TREATMENT (FILTERRA OR SILVA CELL TYPE OR EQUAL)
- ACCESSIBLE UNIT/PARKING
- PATH OF OVERLAND RELEASE

**GRADING NOTES:**

1. PROPOSED GRADING IS PRELIMINARY AND IS SUBJECT TO CHANGE DURING FINAL DESIGN.
2. ALL PUBLIC SIDEWALKS SHALL HAVE A MAX CROSS SLOPE OF 1.5%
3. TEMPORARY SHORING PLANS SHALL BE SUBMITTED TO THE BUILDING DIVISION FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF SITE EXCAVATION.

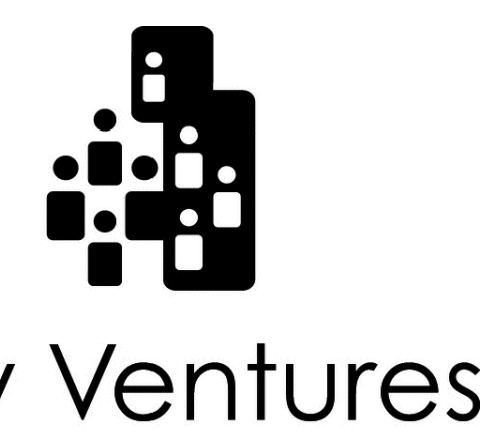
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PATIO RETAINING WALLS: 1,550± SF  
 SITE RETAINING WALLS: 1,800± SF  
 STITCH PIER WALL: 2,800± SF (400± LF)

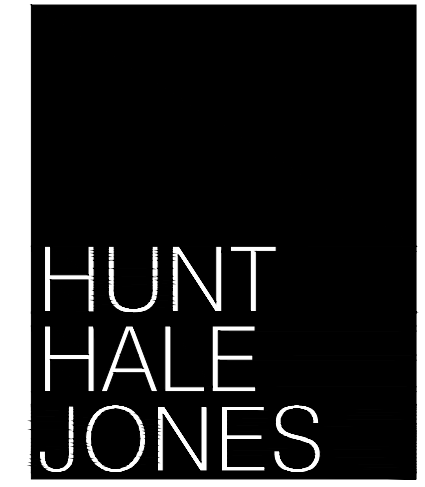
**EARTHWORK SUMMARY**

DESCRIPTION	CUT (CY)	FILL (CY)
ROUGH GRADING	3,880	5,450
BIORETENTION SPOILS	350	
UTILITY TRENCH SPOILS	800	
<b>SUBTOTAL</b>	<b>5,030</b>	<b>5,450</b>
<b>TOTAL</b>		<b>420</b>

- EARTHWORK NOTES:**
1. EARTHWORK IS PRELIMINARY AND IS SUBJECT TO CHANGE WITH FINAL DESIGN
  2. ROUGH GRADE CUT INCLUDES BUILDING PAD SPOILS AND STREET UNDERCUT



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GRADING PLAN

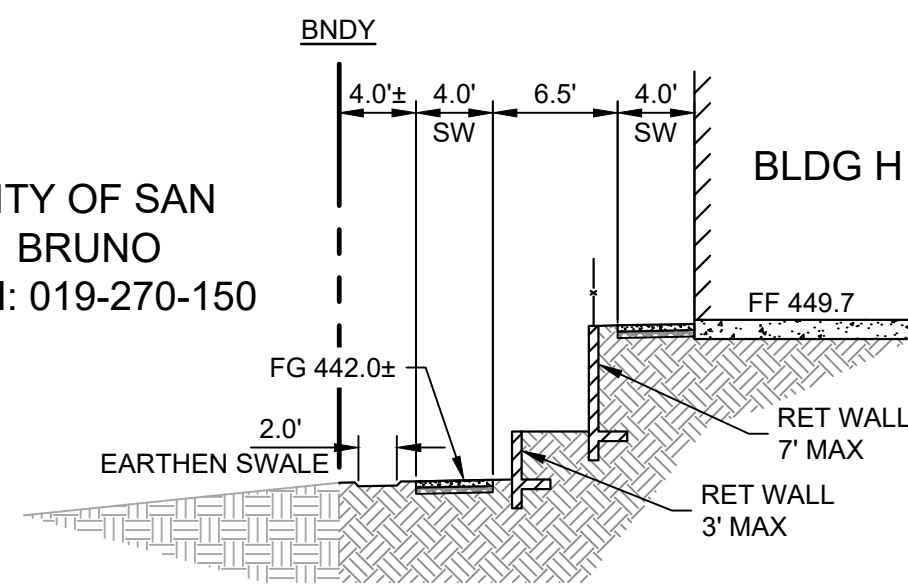
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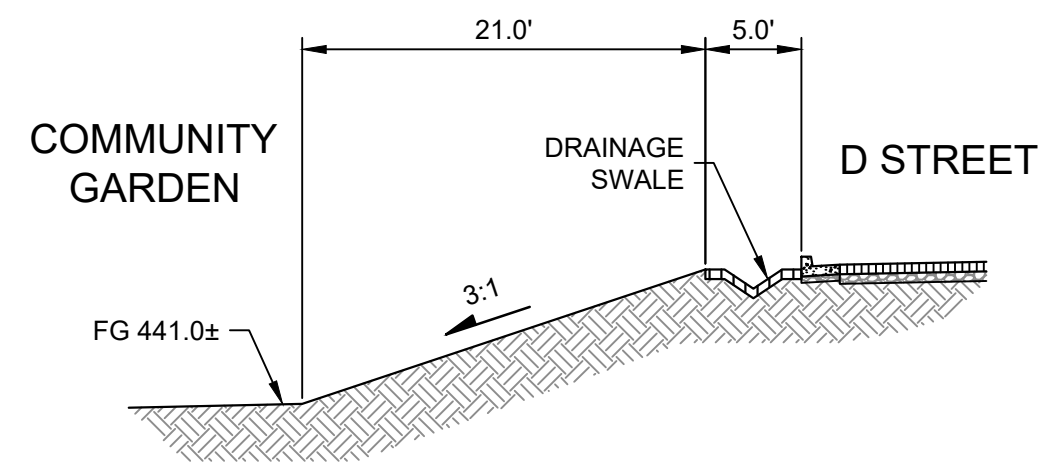
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 LICENSE NO: 076690

DATE: 11.28.2023  
 PROJECT: 2300191.11

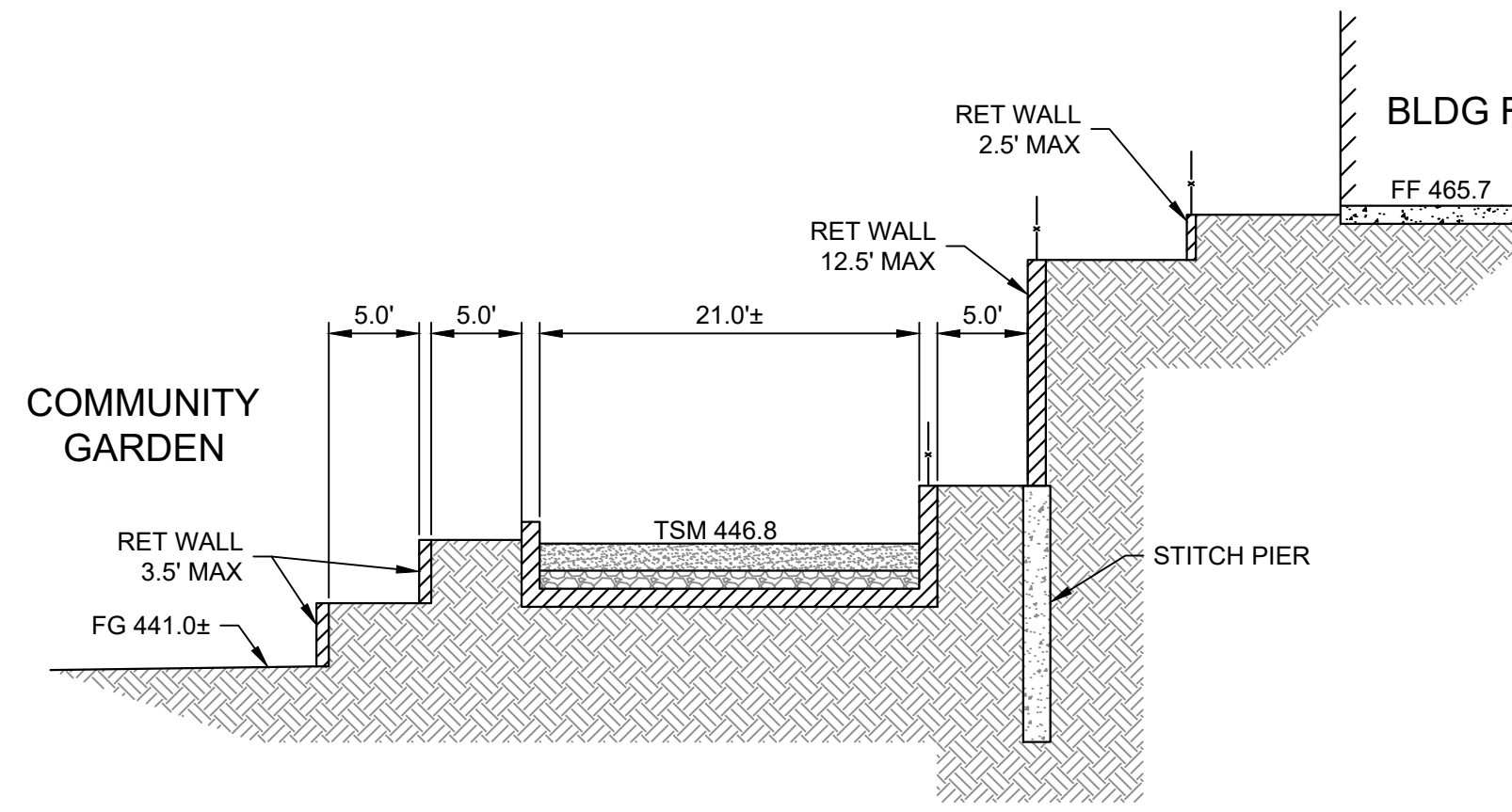
CITY OF SAN BRUNO  
APN: 019-270-150



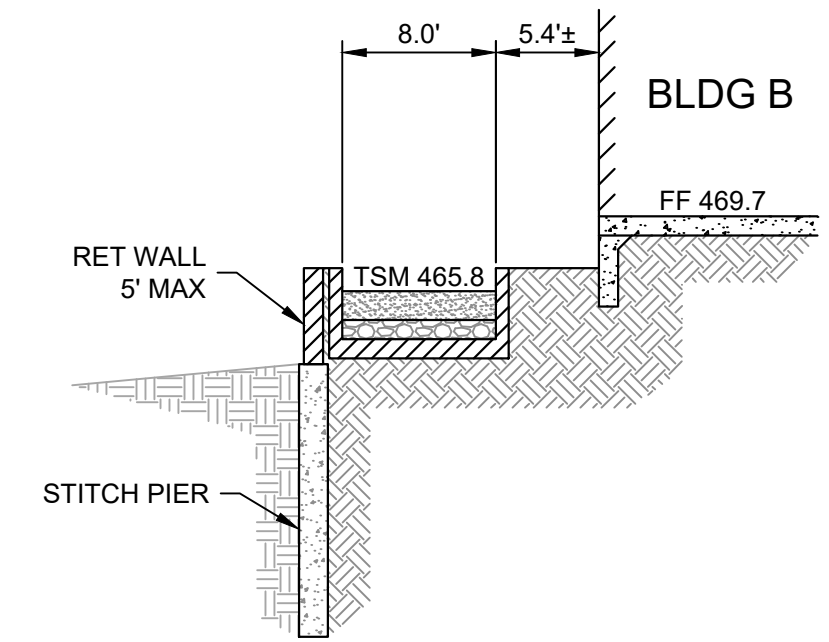
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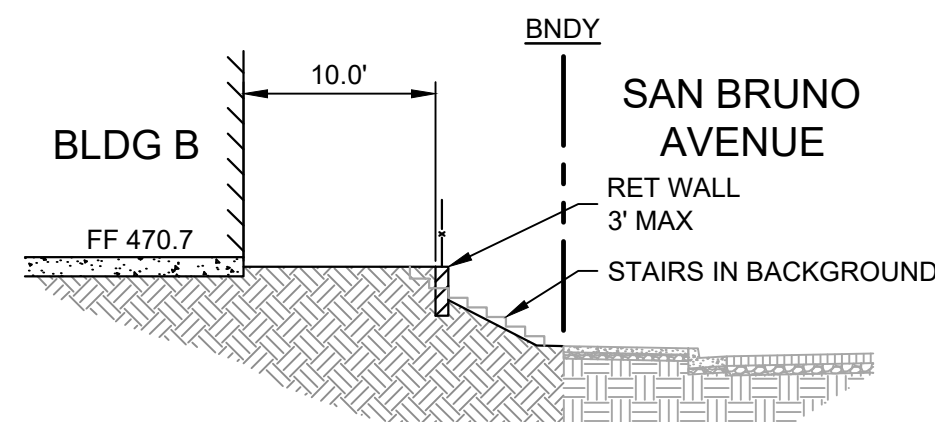
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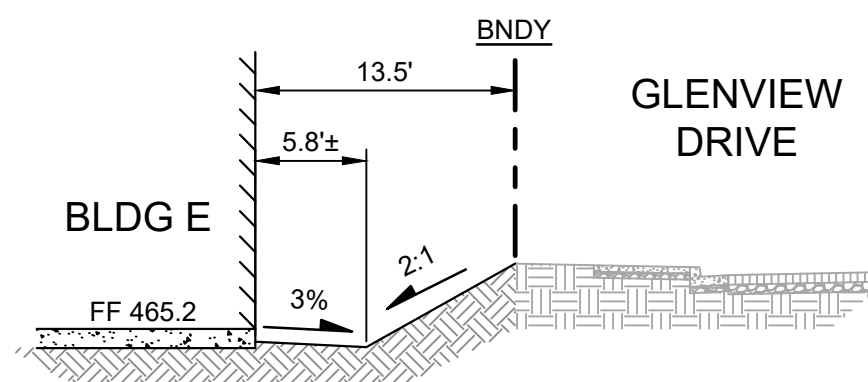
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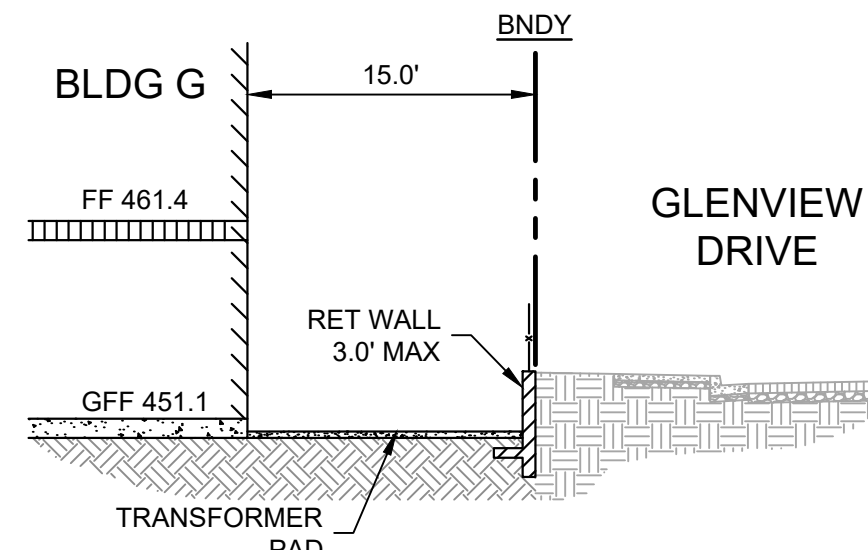
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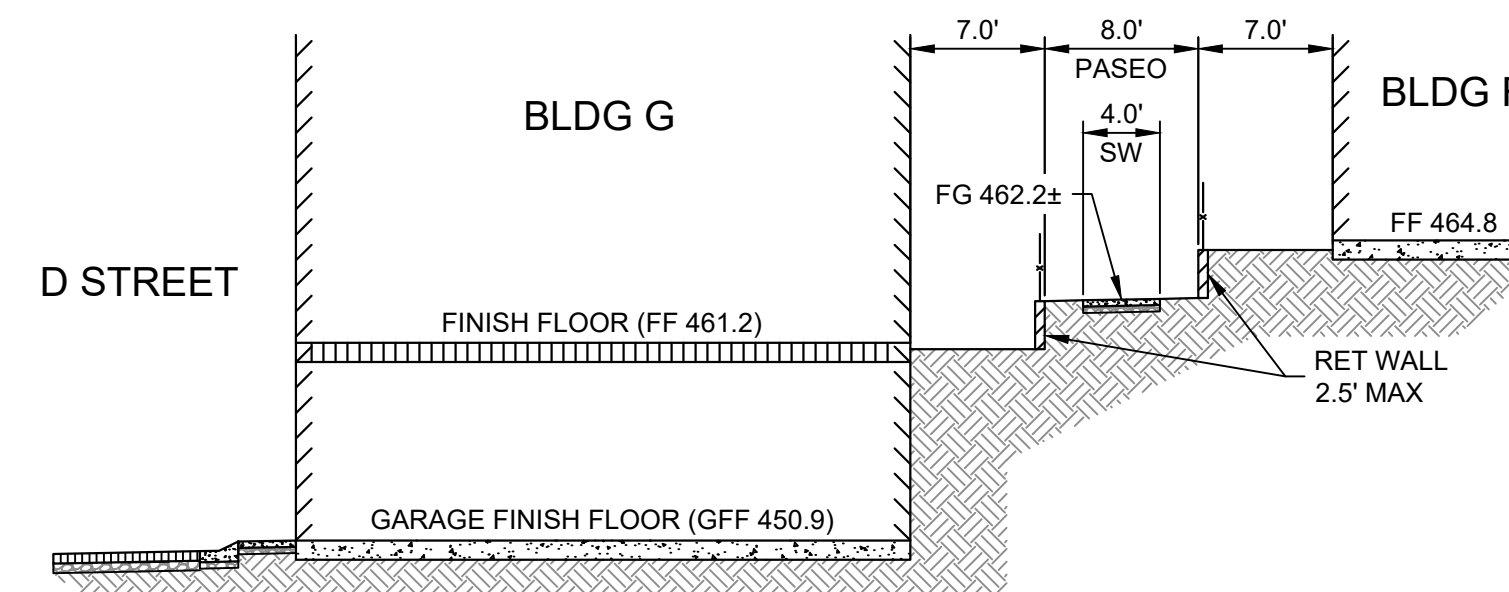
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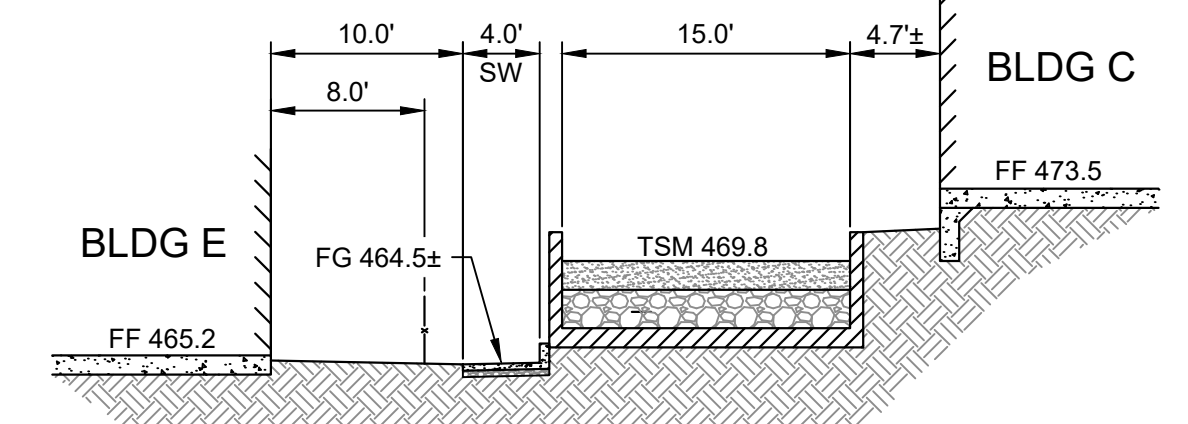
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NOT TO SCALE



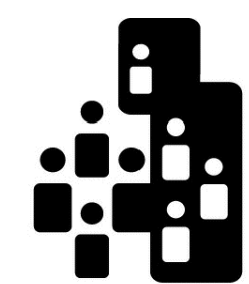
**SECTION G-G**  
NOT TO SCALE



**SECTION H-H**  
NOT TO SCALE



**SECTION I-I**  
NOT TO SCALE



City Ventures

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SAN BRUNO, CALIFORNIA



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GRADING SECTIONS

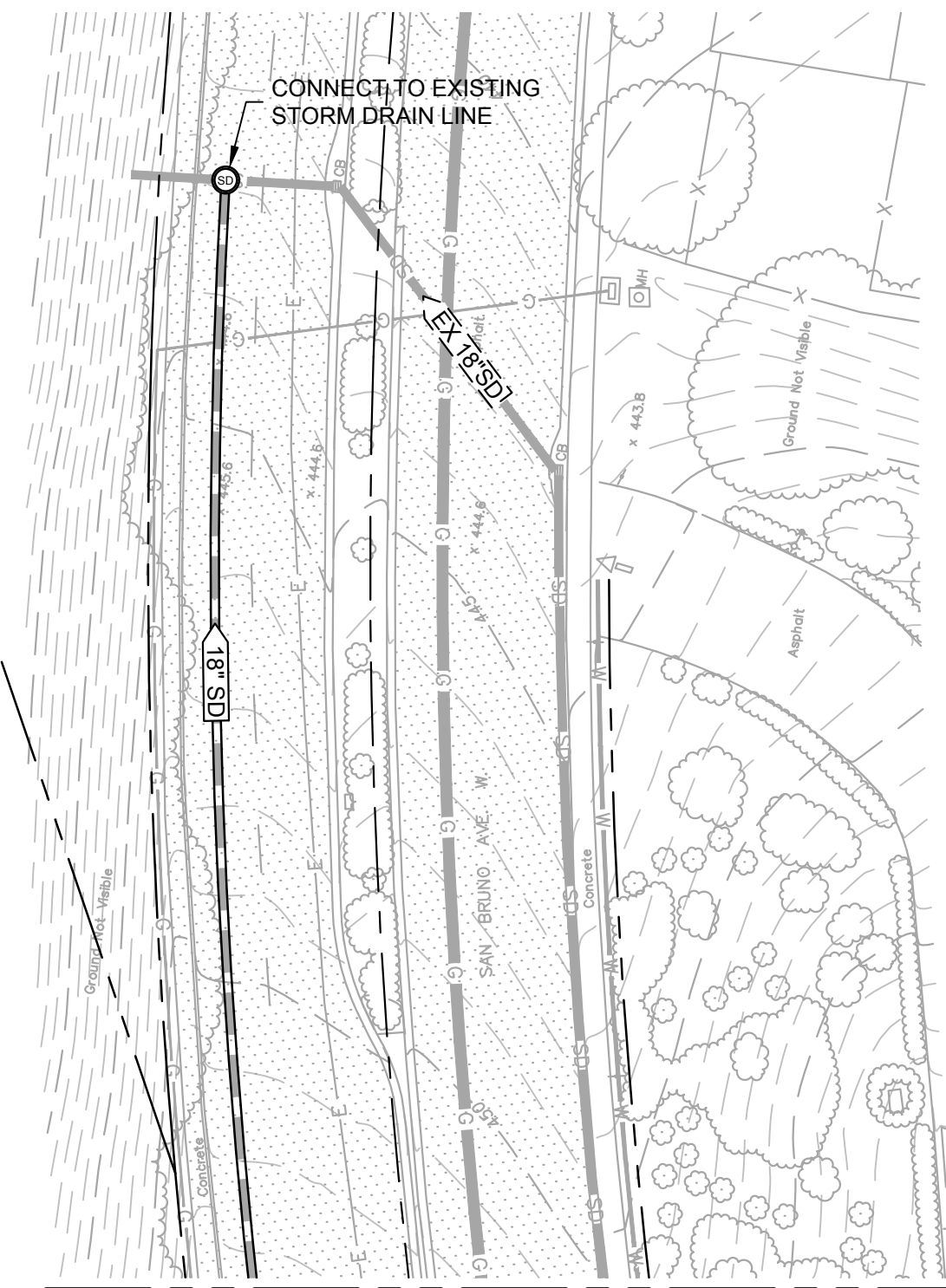
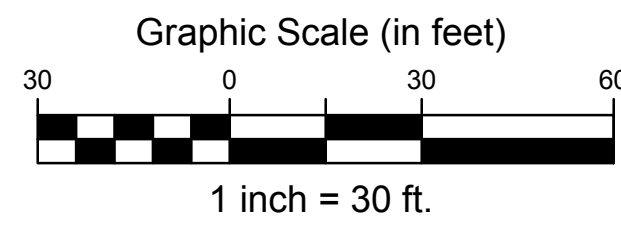
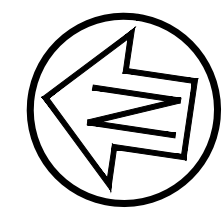
**C5.1**

1" = 30'

ENGINEER: MICHAEL VIDRA  
LICENSE NO: 076690

DATE: 11.28.2023  
PROJECT: 2300191.11

MATCHLINE - SEE RIGHT



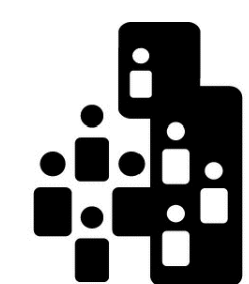
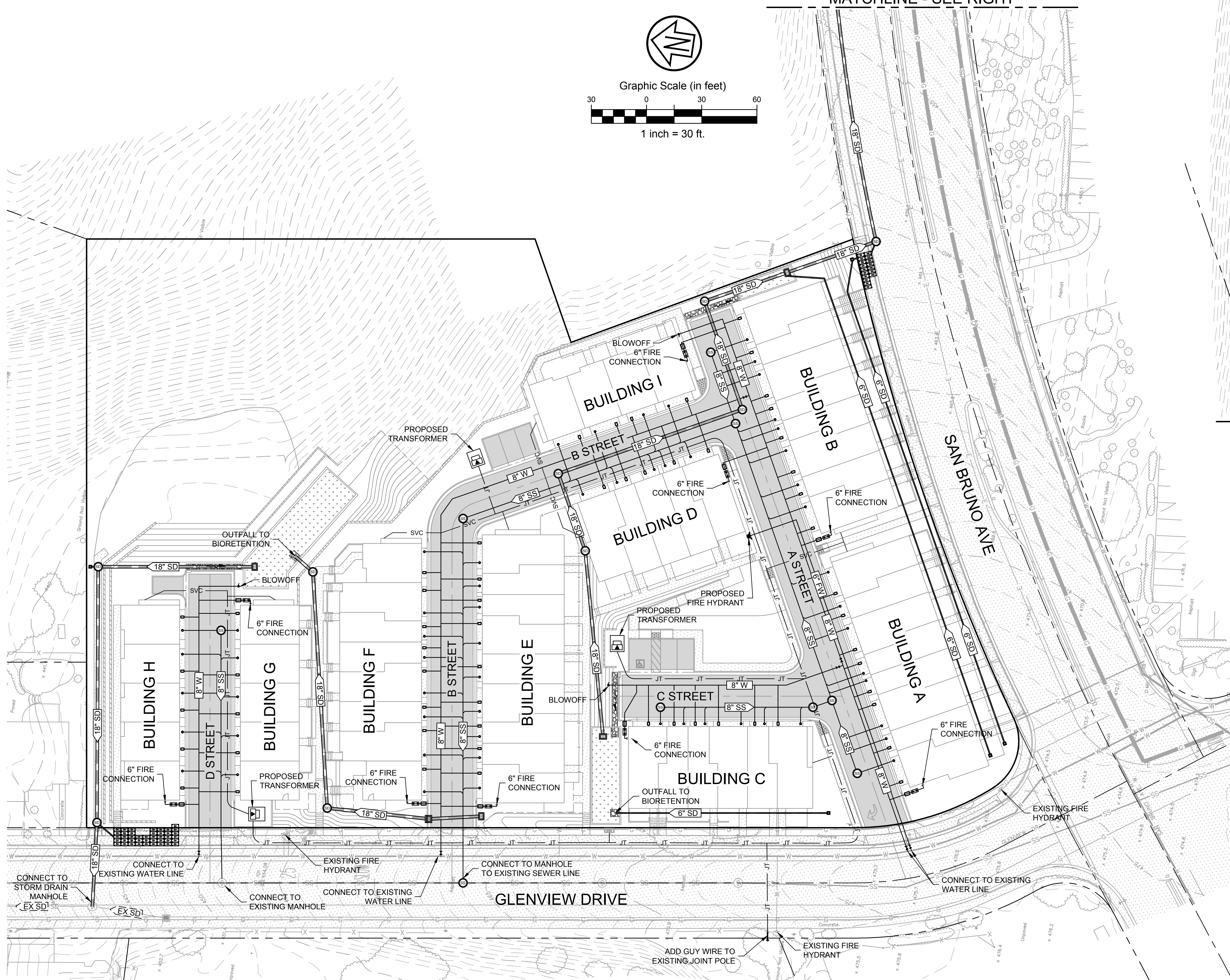
MATCHLINE - SEE LEFT

**LEGEND:**

	PROJECT BOUNDARY
	EXISTING WATER LINE
	EXISTING STORM DRAIN
	EXISTING SANITARY SEWER
	PROPOSED JOINT TRENCH
	PROPOSED JOINT TRENCH SERVICE LATERAL
	PROPOSED STORM DRAIN
	STORM DRAIN MANHOLE
	STORM DRAIN CURB INLET
	STORM DRAIN FIELD INLET
	PROPOSED SANITARY SEWER
	PROPOSED SEWER MANHOLE
	PROPOSED SEWER CLEANOUT
	PROPOSED WATER
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	PROPOSED WATER METER
	PROPOSED FIRE BFP
	PROPOSED BLOW OFF
	UNDERGROUND STORMWATER TREATMENT (FILTRERA OR SILVA CELL TYPE OR EQUAL)

**NOTES:**

1. DEVELOPER TO INSTALL NEW 8" WATER AND SEWER MAIN AND PROVIDE A PUBLIC UTILITY EASEMENT.
2. EIGHT INCH SANITARY SEWER PIPES SHALL HAVE A MINIMUM SLOPE OF S=0.0044
3. ONSITE STORM DRAIN SHALL BE PRIVATELY OWNED AND MAINTAINED.
4. STORM DRAIN PIPES SHALL HAVE A MINIMUM SLOPE TO MAINTAIN A VELOCITY OF 2 FEET PER SECOND WHEN FLOWING HALF FULL.
5. EXISTING UTILITIES ONSITE ARE TO BE ABANDONED OR REMOVED AS NECESSARY.
6. TRANSFORMER LOCATIONS ARE PRELIMINARY AND SUBJECT TO REVIEW BY PG&E.
7. TEMPORARY SHORING PLANS A HLL BE SUBMITTED TO THE BUILDING DIVISION FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF SITE EXCAVATION.



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UTILITY PLAN

**C6.0**

1" = 30'

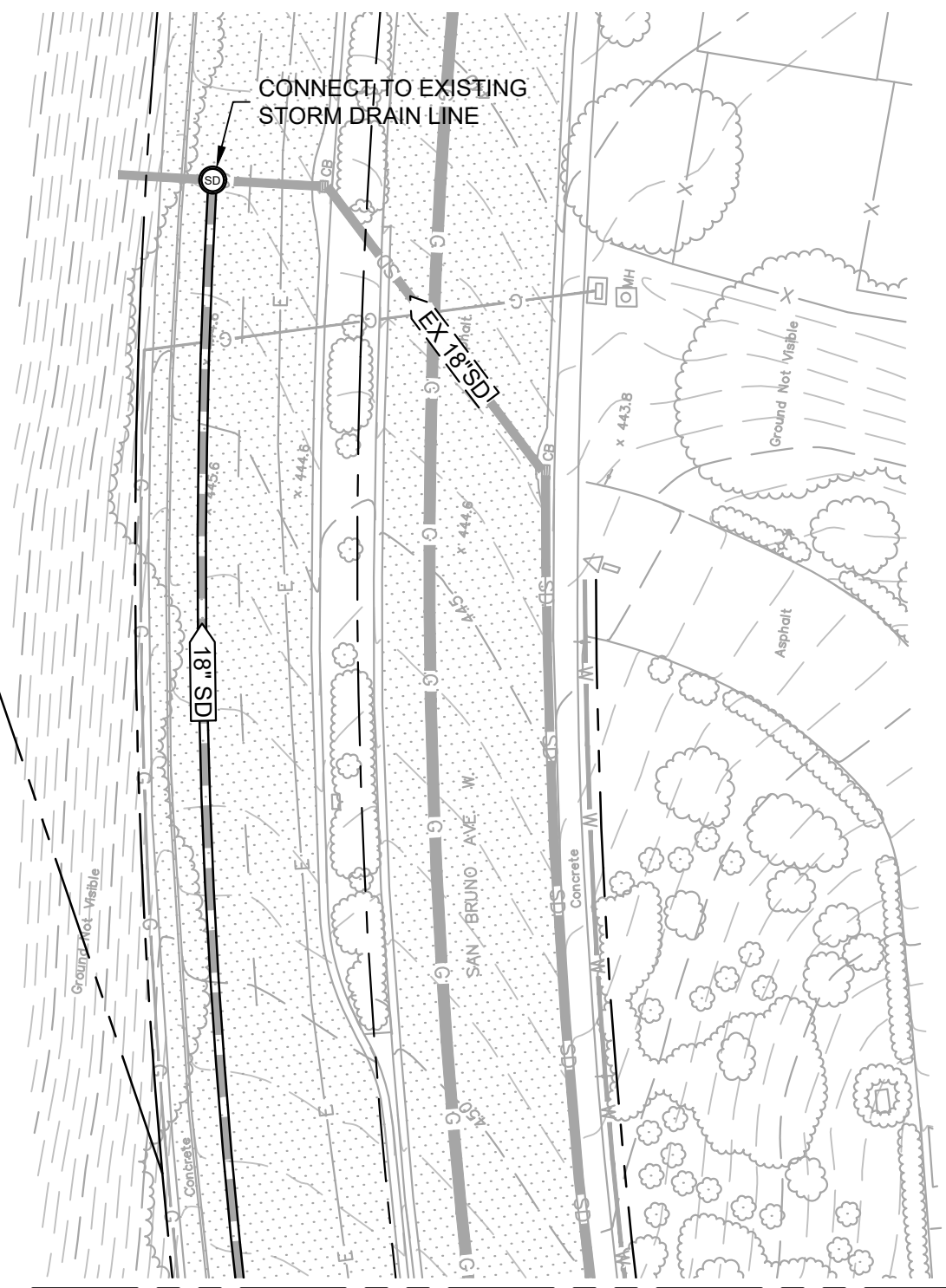
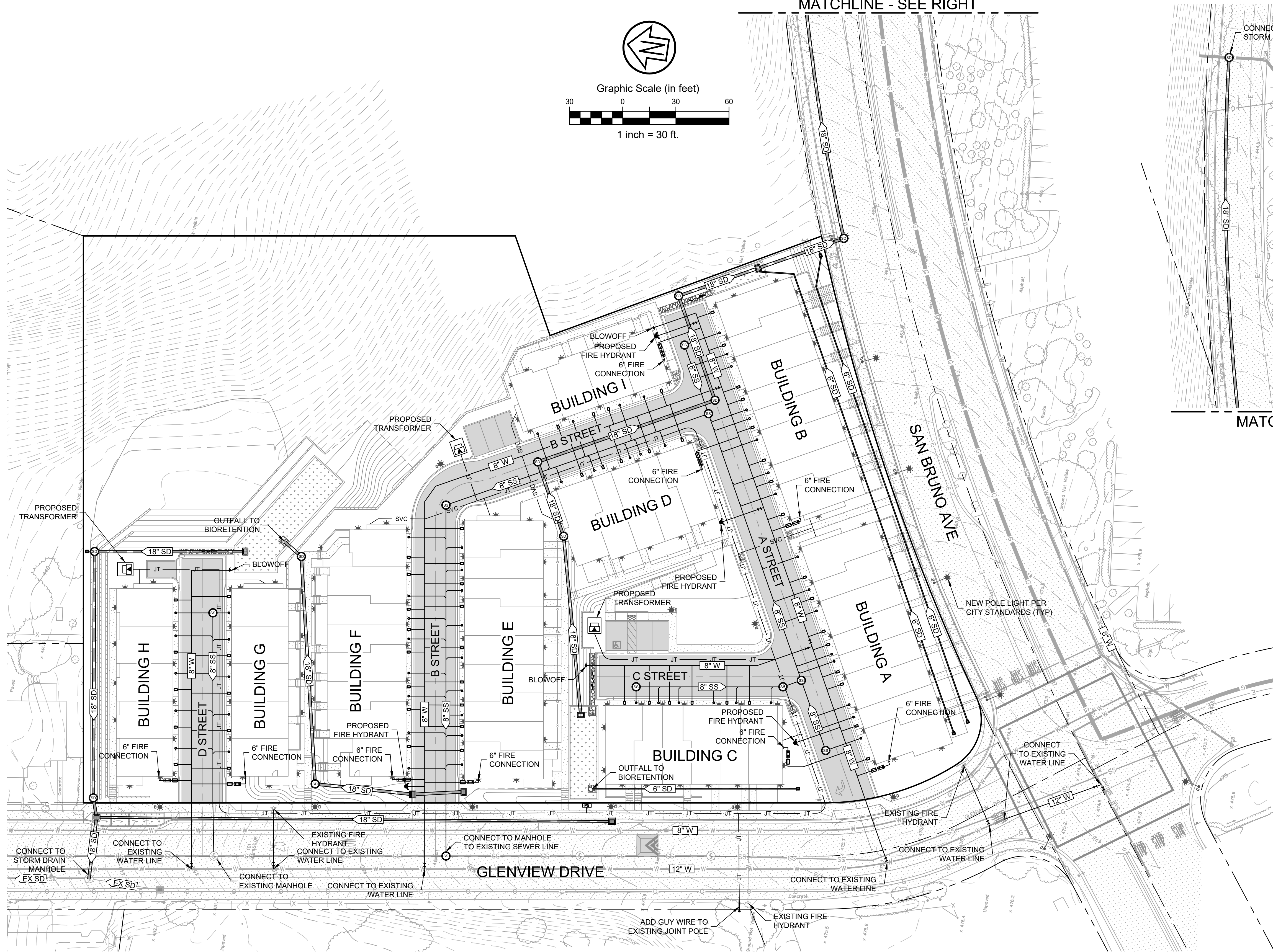
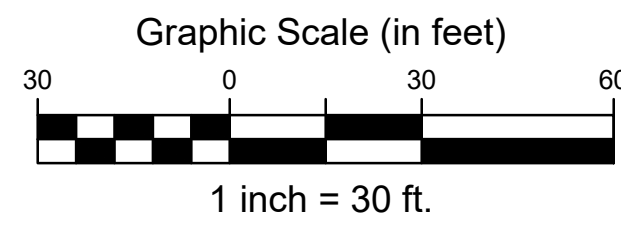
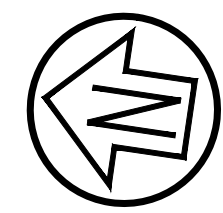
ENGINEER: MICHAEL VIDRA  
 LICENSE NO: 076690

DATE: 11.28.2023  
 PROJECT: 2300191.11

Attachment B

Updated Utility Plan

MATCHLINE - SEE RIGHT



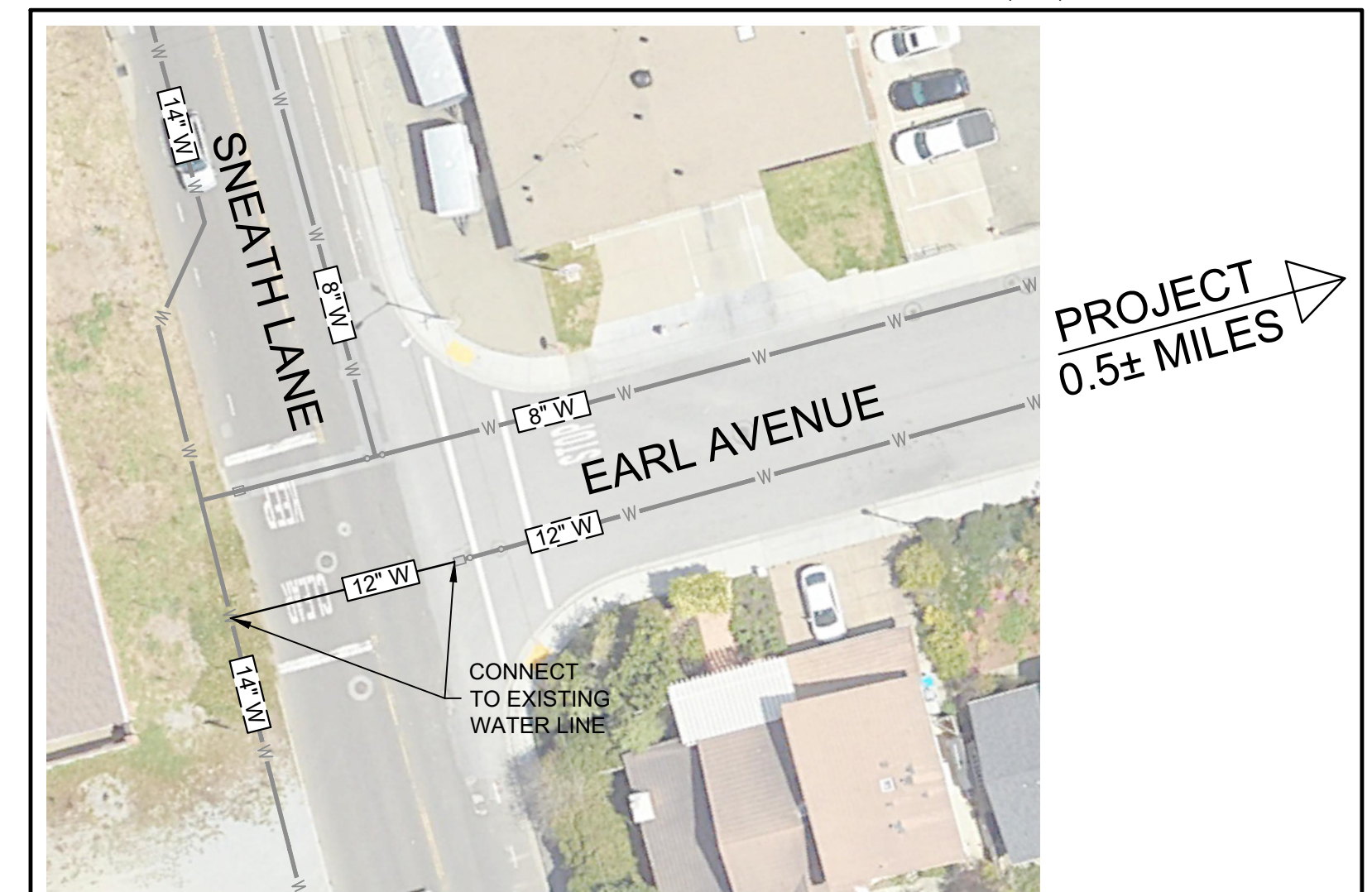
MATCHLINE - SEE LEFT

**LEGEND:**

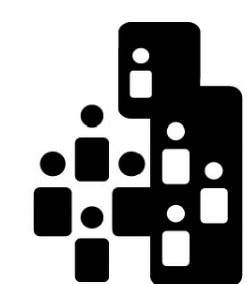
	PROJECT BOUNDARY
	EXISTING WATER LINE
	EXISTING STORM DRAIN
	EXISTING SANITARY SEWER
	PROPOSED JOINT TRENCH
	PROPOSED JOINT TRENCH SERVICE LATERAL
	PROPOSED STORM DRAIN
	STORM DRAIN MANHOLE
	STORM DRAIN CURB INLET
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	PROPOSED SANITARY SEWER
	PROPOSED SEWER MANHOLE
	PROPOSED SEWER CLEANOUT
	PROPOSED WATER
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	PROPOSED WATER METER
	PROPOSED FIRE BFP
	PROPOSED BLOW OFF
	UNDERGROUND STORMWATER TREATMENT (SILVA CELL OR EQUAL)
	EXISTING UTILITY CALLOUT

**NOTES:**

- DEVELOPER TO INSTALL NEW 8" WATER AND SEWER MAIN AND PROVIDE A PUBLIC UTILITY EASEMENT.
- EIGHT INCH SANITARY SEWER PIPES SHALL HAVE A MINIMUM SLOPE OF S=0.0044
- ONSITE DRAIN DRAIN SHALL BE PRIVATELY OWNED AND MAINTAINED.
- STORM DRAIN PIPES SHALL HAVE A MINIMUM SLOPE TO MAINTAIN A VELOCITY OF 2 FEET PER SECOND WHEN FLOWING HALF FULL.
- EXISTING UTILITIES ONSITE ARE TO BE ABANDONED OR REMOVED AS NECESSARY.
- TRANSFORMER LOCATIONS ARE PRELIMINARY AND SUBJECT TO REVIEW BY PG&E
- TEMPORARY SHORING PLANS SHALL BE SUBMITTED TO THE BUILDING DIVISION FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF SITE EXCAVATION.
- DUE TO THE LOCATION OF THE SITE THE CITIES ZONE 10 WATER SYSTEM WILL NEED TO BE UTILIZED TO SERVE THE SITE. THEREFORE, THE EXISTING INACTIVE 12-INCH WATER MAIN IN GLENVIEW DRIVE SHALL BE RECONNECTED AT EACH END TO ENSURE ADEQUATE PRESSURE FOR THE SITE. PRIOR TO RECONNECTION, THE EXISTING 12-INCH MAIN SHALL BE PRESSURE TESTED AND DISINFECTED ACCORDING TO CITY AND STATE REQUIREMENTS. ADDITIONALLY, EACH DOMESTIC SERVICE CONNECTION WILL REQUIRE A PRESSURE REDUCING VALVE (PRV).



ADDITIONAL WATER CONNECTION REQUIREMENT PER REPORT PREPARED BY WEST YOST DATED 02-27-2024



City Ventures

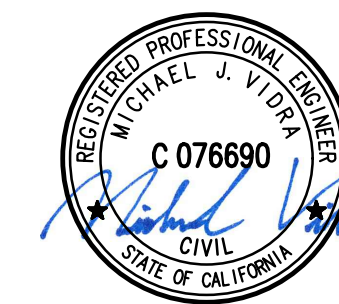
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ENGINEER: MICHAEL VIDRA  
LICENSE NO: 076690

UTILITY PLAN

**C6.0**

1" = 30'  
REVISED: 3.28.2024  
DATE: 3.19.2024  
PROJECT: 2300191.11